

244022

From: John Dervay [<mailto:jdervay@comporium.net>]
Sent: Thursday, May 09, 2013 5:12 PM
To: TGOakley@uiwater.com
Cc: 'Cc:'; Morgan, Willie; Jocelyn.Boyd; CFunderburk@tegacaysc.gov
Subject: FW: Update

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Clearly you are NOT an Engineer. I'm beginning to wonder if your Civil has the knowledge and experience to deal with the problem based upon his comments to you, assuming you quoted him/her accurately. The facts are that we are at NORMAL total rainfall for this area thus far this year. It is higher than it has been for the last 4-5 years as we were in a drought during that period. But compared to the years prior to the drought, we are at NORMAL rainfall levels.

Also Lake Wylie is currently at 99.9% capacity. I have lived on this Lake since April, 1990 and have seen this lake level many, many times. Besides, what does this have to do with your sso's as your pipes are generally much higher than the Full Pond level at the 570 topo. Don't try to argue your outflow location as history of full pond levels with NO SSO's doesn't support this.

Ball in your court...

John Dervay, BS ChE., MS ES.

Retired City Councilman

Dear Tega Cay Customers,

As promised, I wanted to provide a quick update on the day's activities toward resolution of the SSO issues in your community.

If you were in and around the neighborhood today you no doubt saw our folks at work. We had 22 staff (including those brought in from out of state) in the field. In total they inspected over 400 manholes, walked approximately 15 miles of pipe and evaluated the entire collection system for wastewater treatment plant #2. Additionally, we had four video inspection contractors, smoke and dye testing contractors and our consulting engineer on site throughout the day.

A large amount of data has been generated by this work and it will be evaluated tonight and into tomorrow.

A similar plan is scheduled throughout other parts of the system for tomorrow and the experts guiding this work are confident that we will find the cause(s) of the SSOs and will be in position to correct those quickly once identified.

Some questions that have been raised are 'why hasn't this work been done before' and 'after two years of no problems, why now'? Legitimate questions to be sure and certainly the second question is one we have been asking internally. We have, in fact, done much of this inspection work before and the collection system was found to be vastly improved as a result of the capital spending done in 2011.

Then, why are we doing it again and has something changed?

As all of you are painfully aware, it has been a particularly wet period throughout the state. Lake Wylie and other lakes, both upstream and down, have been running at very high levels for an extended period. Duke Energy has announced dam releases which will further complicate the situation and today they have characterized the situation in the following way: "Given the significant rainfall in the region, high water conditions are expected for several days." (<http://www.duke-energy.com/lakes/levels.asp>)

I am not an engineer but our outside expert put it plainly this evening when he said he has never encountered lake levels like this and ground saturation of this magnitude. It is clear that there is significant water pressure in the ground and bodies of water, forcing rainfall into places where it typically would not go. At a minimum, that is what has changed.

We will continue our assessment with the increased resources we have applied to the situation and I will report back to you tomorrow as more information is available.

And know that we remain committed to zero SSOs regardless of rainfall.

Thank you.

Tom